

September 20, 2005

Mr. Daniel Marquez  
U.S. Fish and Wildlife Service  
Carlsbad Field Office  
6010 Hidden Valley Road  
Carlsbad, CA 92008

Dr. John Gustafson  
Wildlife Management Division  
California Department of Fish and Game  
1416 Ninth Street, Suite 1341  
Sacramento, CA 94244

Subject: Protocol Coastal California Gnatcatcher, Least Bell's Vireo, and Southwestern Willow Flycatcher Survey Results, May 2 to July 27, 2005, San Elijo Lagoon Visitor Center, City of Encinitas, County of San Diego, California; LSA Project No. CSG531

Dear Mr. Marquez and Dr. Gustafson:

This letter report documents results of protocol surveys for coastal California gnatcatcher (*Poliioptila californica californica*), least Bell's vireo (*Vireo bellii pusillus*), and southwestern willow flycatcher (*Empidonax traillii extimus*) at the San Elijo Lagoon Visitor Center. The visitor center is located in coastal San Diego County at 2710 Manchester Avenue, Encinitas, California. The approximately 15-acre survey area, consisting of willow riparian and coastal sage scrub habitat, is located west of Interstate 5 on the northern boundary of San Elijo Lagoon along Manchester Avenue in the City of Encinitas (Figure 1). A family of five coastal California gnatcatchers was regularly detected adjacent to the existing visitor center. No least Bell's vireos and one probable migrant willow flycatcher were detected during the eight protocol surveys.

## SURVEY AREA

The San Elijo Lagoon Visitor Center improvement site is located in the northernmost portion of San Elijo Lagoon in west-central, coastal San Diego County (Figure 1). The survey area is less than one mile west of Interstate 5, immediately south of Manchester Avenue, and east of the Atchison, Topeka, and Santa Fe Railroad tracks. Pacific Coast Highway and the Pacific Ocean are to the west. The survey area is approximately 15 acres and is specifically located within Township 13 South, Range 4 West, and in Section 27 of the USGS 7.5-minute *Encinitas* quadrangle. The approximate coordinates for the survey area are  $^{36}52^{750}$  by  $^{47}4^{250}$  in the northwest and  $^{36}52^{500}$  by  $^{47}4^{500}$  in the southeast, and the elevation is approximately 10 feet above mean sea level.

San Elijo Lagoon receives flows from Escondido and La Orilla Creeks and tidal flows from the Pacific Ocean. Fresh water is conveyed to the lagoon from street and urban runoff. Within the survey area, an unnamed tributary conveys flows under Manchester Avenue and into the central part of the survey area. During all surveys, there was lightly flowing water in the narrow creek channel.

The survey area (which is along the lagoon edge) is relatively flat, with approximately 13 acres of partially inundated southern willow riparian forest that includes a patch of coastal freshwater marsh and southern willow scrub and an approximately two-acre patch of upland Diegan coastal sage scrub (Figure 2). The eastern three-quarters of the survey area is vegetated with willow riparian forest and willow scrub, which are a mixture of arroyo willow (*Salix lasiolepis*), black willow (*S. gooddingii*), and mulefat (*Baccharis salicifolia*) with a shaded patch of coastal freshwater marsh that is dominated by broad-leaved cat-tail

(*Typha latifolia*). Giant reed (*Arundo donax*) occurred in patches within the survey area, which was recently removed, leaving open areas with emerging native vegetation. The northwestern quarter of the survey area is composed of Diegan coastal sage scrub surrounding the existing visitor center. Dominant native species within the Diegan coastal sage scrub include California sagebrush (*Artemisia californica*), flat-top buckwheat (*Eriogonum fasciculatum*), black sage (*Salvia mellifera*), coastal goldenbush (*Isocoma menziesii* var. *vernonioides*), coyote bush (*Baccharis pilularis consanguinea*), and California sunflower (*Encelia californica*).

## METHODS

A presurvey notification letter dated April 27, 2005, was sent to the California Department of Fish and Game (CDFG) and the United States Fish and Wildlife Service (USFWS) via facsimile. Richard Erickson, Marshall Iliff, or Ingri Baroni (Quon) conducted the eight protocol surveys and LSA biologist Wendy Walters participated on July 16. Richard Erickson and Marshall Iliff conducted surveys pursuant to Federal 10(a)(1)(A) Permit TE-777965-6 (May 10, 2004–May 9, 2007). Ingri Baroni (Quon) conducted surveys pursuant to Federal 10(a)(1)(A) Permit TE-812740-3 (July 7, 2003–July 6, 2006). All LSA personnel are using a temporary authorization from the CDFG (May 12, 2003–March 31, 2007) in lieu of a Memorandum of Understanding between LSA and the CDFG.

LSA biologists walked slowly along the edge of the dense riparian habitat, listening for least Bell's vireos and willow flycatchers during each survey. A taped recording of a southwestern willow flycatcher was played periodically along the survey route during each of the flycatcher surveys. The surveying biologist waited for several minutes after each playing to look and listen for vireos and flycatchers. A total of eight least Bell's vireo surveys were conducted between May 2 and July 27, 2005, and five southwestern willow flycatcher surveys were conducted between May 24 and July 16, 2005.

California gnatcatcher surveys were conducted by a LSA biologist on the same days as the riparian bird surveys. A total of six gnatcatcher surveys were conducted between May 2 and July 6, 2005 following protocol techniques. A biologist walked slowly along the edge of and on trails through CSS habitat during each survey. A taped recording of a coastal California gnatcatcher was played periodically along the survey route, and the biologist waited for several minutes after each playing to look and listen for gnatcatchers. Following detection, gnatcatcher activities were recorded and the number and identifying characteristics (i.e., age, sex) were noted.

**Table A: Survey Conditions**

Date 2005	Time	Weather Conditions	Surveyors
May 2	0800-1000	Clear (20% cover), mild-warm, calm (0, <1 mph)	IB
May 12	0750-0930	Partly cloudy, mild, light air (1, 1–3 mph)	MI
May 24	0615-0830	Overcast, mild, light air (1, 1–3 mph)	IB
June 7	0535-0735	Overcast, cool, light breeze (2, 4–7 mph)	RE
June 24	0540-0715	Overcast, cool-mild, calm (0, <1 mph)	IB
July 6	0700-0830	Overcast, cool-mild, calm (0, <1 mph)	IB
July 16	0525-0740	Overcast, mild, calm (0, <1 mph)	RE
July 27	0900-1100	Partly cloudy, mild, light air (1, 1–3 mph)	MI

Surveyors: IB = Ingri Quon Baroni; MI = Marshall Iliff; RE = Richard Erickson  
Beaufort Scale and seaman's terms are used to describe the wind speed.

## RESULTS

A family of coastal California gnatcatchers was first detected during the second survey, on May 12, 2005. At that time, a pair and a single fledgling were observed in the dense Diegan coastal sage scrub approximately 20 feet southwest of the existing visitor center. On May 24, a male and three juveniles were observed in the same area. On June 7, two juveniles and one other bird were seen. On June 24, the pair and a single juvenile were detected approximately 120 feet west of the visitor center in dry, degraded Diegan coastal sage scrub between lemonade berry (*Rhus integrifolia*) shrubs. On July 16, a pair was observed and on July 27, two California gnatcatchers were detected aurally in dense coyote bush dominated by Diegan coastal sage scrub adjacent to the visitor center; the birds were not seen, despite some effort.

No least Bell's vireos were detected during any of the eight focused surveys. One willow flycatcher (subspecies unknown) was detected visually in a small willow patch in the southeasternmost portion of the survey area. This bird was probably a migrant little willow flycatcher (*E. t. brewsteri*), since it was not detected during subsequent surveys. Neither of these endangered subspecies has been documented from the project area by the CDFG's California Natural Diversity Database (CNDDB). Despite the negative breeding results, both subspecies could use the area during migration. The breeding habitat is marginal for both the least Bell's vireo and the southwestern willow flycatcher.

Also of note is the brown-headed cowbird (*Molothrus ater*), a brood parasite of willow flycatchers, least Bell's vireos, and other small passerines. This parasitic bird was observed regularly, with a maximum of three seen on May 24 and July 6. Brown-headed cowbirds were regularly detected in, or flying over, the project area during the surveys. A great-tailed grackle (*Quiscalus mexicanus*), a species undergoing rapid range expansion, was observed flying over the survey area on May 2.

A complete list of animals detected during the surveys is included as Appendix A.

Please contact Mike Trotta at (760) 931-4806 or Ingri Baroni at (949) 553-0666 if you have any questions about these survey results.

Sincerely,

LSA ASSOCIATES, INC.



Ingri Baroni  
Biologist




cc: Wendy Orth, County of San Diego, Department of Public Works

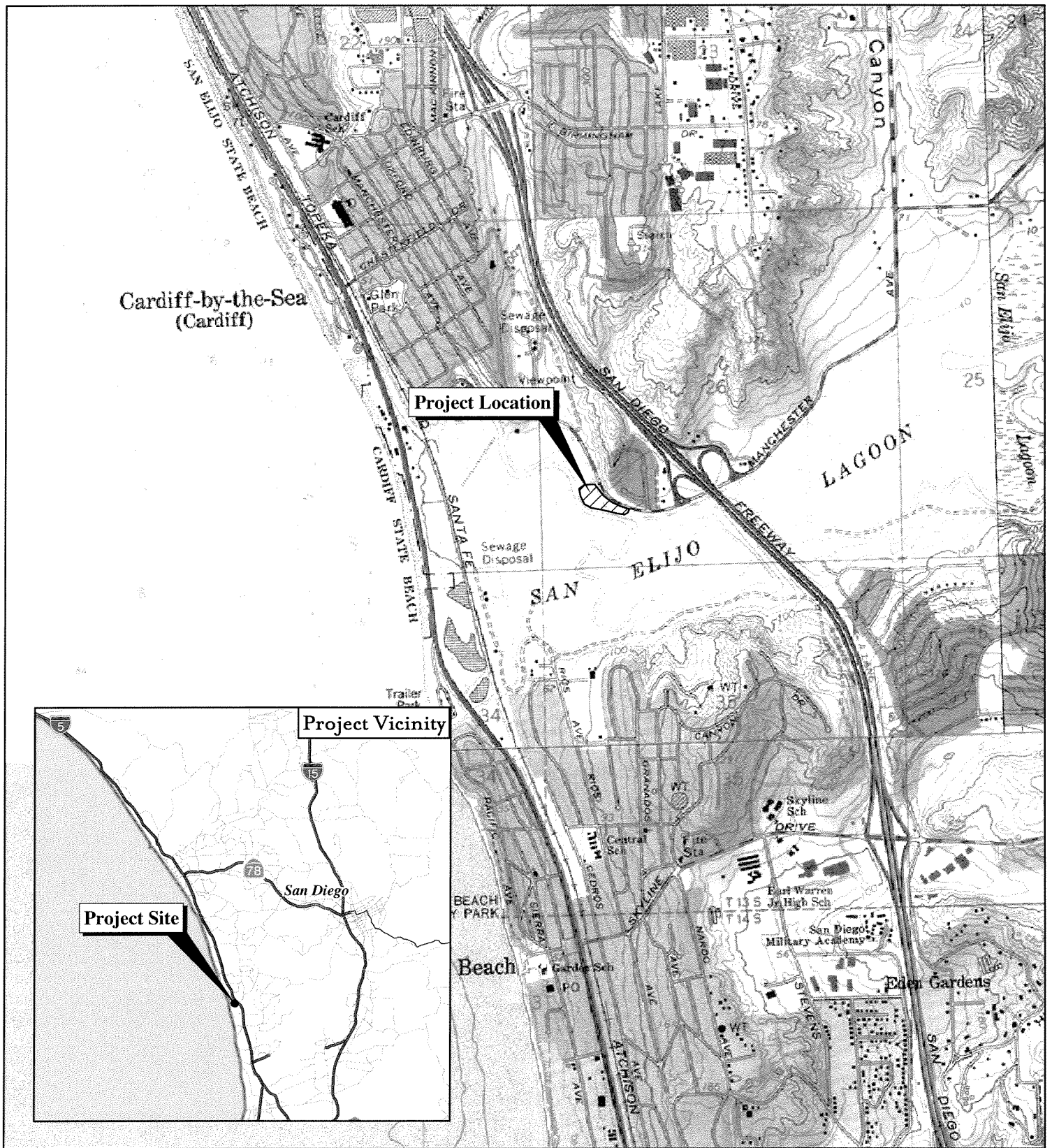
Attachments: Figure 1: Location Map  
Figure 2: Survey Area Map  
Appendix A: Animal Species Observed  
Appendix B: Willow Flycatcher Survey and Detection Form  
Appendix C: U.S. Fish and Wildlife Service 45-Day Survey Report  
Appendix D: California Native Species Field Survey Form

**Reference:**

California Department of Fish and Game, Natural Heritage Division, Natural Diversity Database (CNDDB). 2003. *RareFind III, Version 3.0.3*. Records search executed August 2, 2005, covering the USGS *Encinitas* quadrangle. The Resources Agency, Sacramento, California.

I CERTIFY THAT THE INFORMATION IN THIS SURVEY REPORT AND ATTACHED EXHIBITS FULLY AND ACCURATELY REPRESENTS MY WORK:

SURVEYOR:	PERMIT NUMBER:	DATE:
 Ingri Quon (Baroni)	TE-812740	9/21/05
 Marshall Iliff	TE-777965	21 Sept 2005
 Richard Erickson	TE-777965	21 Sep 2005



LSA

LEGEND


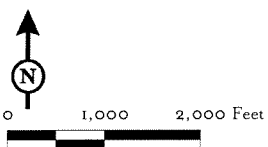
 Project Location

FIGURE 1

*San Elijo Visitor Center*

Project Location



SOURCE: USGS 7.5' QUAD - ENCINITAS ('75); DEL MAR ('75)

I:\CSG531\GIS\Fig1.mxd (08/16/05)

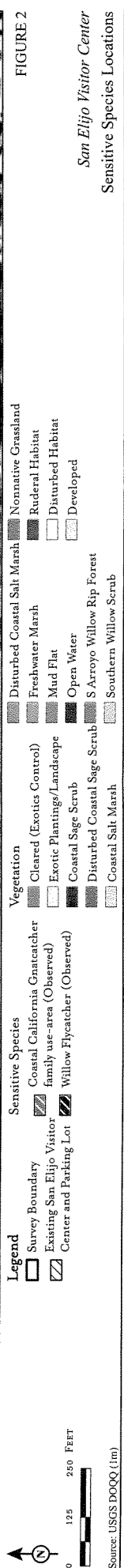


FIGURE 2



## **APPENDIX A**

### **ANIMAL SPECIES OBSERVED**

## ANIMAL SPECIES OBSERVED

This is a list of the conspicuous aerial insects, amphibians, reptiles, birds, and mammals noted in the study area by LSA biologists during eight surveys between May 2 and July 27, 2005. Presence may be noted if a species is seen or heard, or identified by the presence of tracks, scat, or other signs.

\* Species not native to the study area

### LEPIDOPTERA

#### Papilionidae

*Papilio rutulus*

#### Pieridae

\* *Pieris rapae*

#### Lycaenidae

*Satyrrium sylvinus*

*Leptotes marina*

*Plebejus acmon*

#### Nymphalidae

*Nymphalis antiopa*

*Liminitis lorquini*

#### Hesperiidae

*Polites melane*

### AMPHIBIA

#### Hylidae

*Pseudacris regilla*

### REPTILIA

#### Phrynosomatidae

*Sceloporus occidentalis*

*Uta stansburiana*

### BUTTERFLIES

#### Swallowtails

Western tiger swallowtail

#### Whites and Sulphurs

Cabbage white

#### Gossamer-wing Butterflies

Sylvan hairstreak

Marine blue

Acmon blue

#### Brush-footed Butterflies

Mourning cloak

Lorquin's admiral

#### Skippers

Umber skipper

### AMPHIBIANS

#### Treefrogs and Relatives

Pacific chorus frog

### REPTILES

#### Phrynosomatid Lizards

Western fence lizard

Common side-blotched lizard



## AVES

### Anatidae

*Anas strepera*  
*Anas platyrhynchos*  
*Anas cyanoptera*

### Odontophoridae

*Callipepla californica*

### Podicipedidae

*Podilymbus podiceps*

### Pelecanidae

*Pelecanus occidentalis californicus*

### Phalacrocoracidae

*Phalacrocorax auritus*

### Ardeidae

*Ardea herodias*  
*Ardea alba*  
*Egretta thula*  
*Butorides striatus*  
*Nycticorax nycticorax*

### Accipitridae

*Pandion haliaetus*  
*Accipiter cooperii*  
*Buteo lineatus*  
*Buteo jamaicensis*

### Falconidae

*Falco sparverius*

### Rallidae

*Rallus longirostris levipes*

### Charadriidae

*Charadrius squatarola*  
*Charadrius alexandrinus*  
*Charadrius semipalmatus*  
*Charadrius vociferus*

### Recurvirostridae

*Himantopus mexicanus*

## BIRDS

### Ducks, Geese, and Swans

Gadwall  
Mallard  
Cinnamon teal

### New World Quail

California quail

### Grebes

Pied-billed grebe

### Pelicans

California brown pelican

### Cormorants

Double-crested cormorant

### Hérons, Bitterns, and Allies

Great blue heron  
Great egret  
Snowy egret  
Green heron  
Black-crowned night-heron

### Hawks, Kites, Eagles, and Allies

Osprey  
Cooper's hawk  
Red-shouldered hawk  
Red-tailed hawk

### Caracaras and Falcons

American kestrel

### Rails, Gallinules, and Coots

Light-footed clapper rail

### Plovers and Lapwings

Black-bellied plover  
Snowy plover  
Semipalmated plover  
Killdeer

### Stilts and Avocets

Black-necked stilt

**Scolopacidae**

*Tringa melanoleuca*  
*Catoptrophorus semipalmatus*  
*Numenius phaeopus*  
*Actitis macularius*  
*Numenius americanus*  
*Limosa fedoa*  
*Calidris alba*  
*Calidris mauri*  
*Calidris minutilla*  
*Limnodromus griseus*  
*Limnodromus scolopaceus*

**Laridae**

*Larus heermanni*  
*Larus californicus*  
*Larus occidentalis*  
*Sterna caspia*  
*Sterna maxima*  
*Sterna elegans*  
*Sterna forsteri*  
*Sterna antillarum*  
*Rhynchops niger*

**Columbidae**

\* *Columba livia*  
*Zenaida macroura*

**Trochilidae**

*Archilochus alexandri*  
*Calypte anna*  
*Calypte costae*

**Picidae**

*Picoides nuttallii*  
*Picoides pubescens*

**Tyrannidae**

*Empidonax traillii*  
*Sayornis nigricans*  
*Tyrannus vociferans*

**Vireonidae**

*Vireo gilvus*

**Corvidae**

*Aphelocoma californica*

**Sandpipers, Phalaropes, and Allies**

Greater yellowlegs  
Willet  
Whimbrel  
Spotted sandpiper  
Long-billed curlew  
Marbled godwit  
Sanderling  
Western sandpiper  
Least sandpiper  
Short-billed dowitcher  
Long-billed dowitcher

**Skuas, Gulls, Terns, and Skimmers**

Heermann's gull  
California gull  
Western gull  
Caspian tern  
Royal tern  
Elegant tern  
Forster's tern  
Least tern  
Black skimmer

**Pigeons and Doves**

Rock (Feral) pigeon  
Mourning dove

**Hummingbirds**

Black-chinned hummingbird  
Anna's hummingbird  
Costa's hummingbird

**Woodpeckers and Allies**

Nuttall's woodpecker  
Downy woodpecker

**Tyrant Flycatchers**

Willow flycatcher  
Black phoebe  
Cassin's kingbird

**Vireos**

Warbling vireo

**Crows and Jays**

Western scrub-jay

*Corvus brachyrhynchos*  
*Corvus corax*

American crow  
Common raven

**Hirundinidae**

*Stelgidopteryx serripennis*  
*Petrochelidon pyrrhonota*  
*Hirundo rustica*

**Swallows**

Northern rough-winged swallow  
Cliff swallow  
Barn swallow

**Aegithalidae**

*Psaltiriparus minimus*

**Long-Tailed Tits and Bushtits**

Bushtit

**Troglodytidae**

*Thryomanes bewickii*  
*Cistothorus palustris*

**Wrens**

Bewick's wren  
Marsh wren

**Sylviidae**

*Poliophtila californica californica*

**Old World Warblers and Gnatcatchers**

Coastal California gnatcatcher

**Timaliidae**

*Chamaea fasciata*

**Babblers**

Wrentit

**Mimidae**

*Mimus polyglottos*  
*Toxostoma redivivum*

**Mockingbirds and Thrashers**

Northern mockingbird  
California thrasher

**Sturnidae**

\* *Sturnus vulgaris*

**Starlings**

European starling

**Parulidae**

*Vermivora celata*  
*Dendroica petechia*  
*Geothlypis trichas*  
*Wilsonia pusilla*  
*Icteria virens*

**Wood Warblers**

Orange-crowned warbler  
Yellow warbler  
Common yellowthroat  
Wilson's warbler  
Yellow-breasted chat

**Emberizidae**

*Pipilo crissalis*  
*Passerculus sandwichensis beldingi*  
*Melospiza melodia*

**Emberizids**

California towhee  
Belding's savannah sparrow  
Song sparrow

**Cardinalidae**

*Pheucticus melanocephalus*

**Cardinals, Saltators, and Allies**

Black-headed grosbeak

**Icteridae**

*Agelaius phoeniceus*  
*Euphagus cyanocephalus*  
*Quiscalus mexicanus*

**Blackbirds**

Red-winged blackbird  
Brewer's blackbird  
Great-tailed grackle

*Molothrus ater*  
*Icterus cucullatus*

Brown-headed cowbird  
Hooded oriole

**Fringillidae**

*Carpodacus mexicanus*  
*Carduelis psaltria*  
*Carduelis tristis*

**Fringilline and Cardueline Finches and Allies**

House finch  
Lesser goldfinch  
American goldfinch

**MAMMALIA**

**Leporidae**

*Sylvilagus bachmani*  
*Sylvilagus audubonii*

**Rabbits and Hares**

Brush rabbit  
Desert cottontail

**Sciuridae**

*Spermophilus beecheyi*

**Squirrels, Chipmunks, and Marmots**

California ground squirrel

**Muridae**

\* *Rattus rattus*

**Mice, Rats, and Voles**

Black rat

**Canidae**

\* *Canis familiaris*

**Foxes, Wolves, and Allies**

Feral dog

**Procyonidae**

*Procyon lotor*

**Raccoons and Allies**

Raccoon

**Taxonomy and nomenclature are based on the following.**

Butterflies: North American Butterfly Association (2001. NABA checklist & English names of North American butterflies, second edition. North American Butterfly Association, Morristown, New Jersey.).

Amphibians and reptiles: Crother, B.I. et al.(2000. Scientific and standard English names of amphibians and reptiles of North America north of Mexico, with comments regarding confidence in our understanding. *Herpetological Circular* 29; and 2003 update.) for species taxonomy and nomenclature; Stebbins, R.C. (2003. A Field Guide to Western Reptiles and Amphibians, third edition, Houghton Mifflin, Boston.) for sequence and higher order taxonomy.

Birds: American Ornithologists' Union (1998. The A.O.U. Checklist of North American Birds, seventh edition. American Ornithologists' Union, Washington D.C.; and 2000, 2002, 2003, and 2004 supplements.).

Mammals: Grenfell, W.E., Parisi, M.D. and McGriff, D. (2003. Complete list of amphibians, reptiles, birds and mammals in California. California Department of Fish and Game. [http://www.dfg.ca.gov/whdab/pdfs/species\\_list.pdf](http://www.dfg.ca.gov/whdab/pdfs/species_list.pdf)).

## **APPENDIX B**

# **WILLOW FLYCATCHER SURVEY AND DETECTION FORM**

# Willow Flycatcher Survey and Detection Form

(rev. 9/03)

Survey Site Name: San Elijo Visitor Center

Total Site No: \_\_\_\_\_

Year: 2005

Drainage: San Elijo Lagoon

County: San Diego

State: CA

Elevation (m) 3

Quad Name: Encinitas

Management Authority: County

Landowner/Manager: County of San Diego

## SURVEY SITE COORDINATES

### Survey Start Location

UTM: 3652750 , 474250

Decimal Degree: \_\_\_\_\_

Degree Decimal-Minutes: \_\_\_\_\_

Degrees Minutes Seconds: \_\_\_\_\_

Datum: NAD27

Coordinate Source: USGS 1:24000

### Survey End Location

3652500 , 474500 Zone: 11

\_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_, \_\_\_\_\_

**\* Please attach a topographic map delineating the Survey Area and WIFL sightings \***

## SURVEY RESULTS

Survey Date	Surveyor	# Adults	# Pairs	# Territories	Breeding confirmed?	BHCOs detected?	Comments
5/24/2005	Ingri Quon	0	0	0	N	Y	
6/7/2005	Richard Erickson	1	0	0	N	Y	Willow flycatcher in willows along Lagoon edge about 750 feet SE of San Elijo Visitor Center. No respond/call.
6/24/2005	Ingri Quon	0	0	0	N	Y	
7/6/2005	Ingri Quon	0	0	0	N	Y	
7/16/2005	Richard Erickson	0	0	0	N	Y	

### Survey Summary

1

0

0

N

Number of migrant WIFLs detected = 1

Total # of hours

spent surveying: 9.5

Length of Survey (Km) : 0.25

Were any banded birds observed?: N

Was the same area covered during each survey?: Y

## HABITAT CHARACTERISTICS

Vegetation Composition: 1 (1= site made up of >95% native vegetation, 2= >50% native, 3= > 50% exotic vegetation, 4= > 95% exotic)

Dominant Plant Species Salix spp., Platanus racemosa, Typha latifolia

Dominant Exotic Plants : none

Surrounding land use : Residential, Visitor center, Lagoon

Canopy Height (m) : 6

Was surface water or saturated soil present at the site?: Y

Did hydrological conditions change during the breeding season?: N

**SUMMARY COMMENTS:** Aerial photo in report to CDFG & USFWS.

Will this data be published?: N Citation:

Reporting Individual: Ingri Quon

Phone: (949) 553-0666 x

Affiliation: LSA Associates

Email: ingri.quon@lsa-assoc.com

**\* Please enter (using the "coordinates" form), print out, and attach all WIFL location data \***

Thursday, August 11, 2005

## **APPENDIX C**

### **U.S. FISH AND WILDLIFE SERVICE 45-DAY SURVEY REPORT**



# US Fish and Wildlife Service 45-Day Survey Report

**Scientific Name:** Empidonax traillii

**Common Name:** Willow Flycatcher

**Survey Site Name:** San Elijo Visitor Center

**Year:** 2005

**Reporting Individual:** Ingri Quon

**Permit #:** 812740

**Affiliation:** LSA Associates

**Phone:** (949) 553-0666 x

**Email:** ingri.quon@lsa-assoc.com

## HABITAT

Overall site quality: Good

Vegetation Composition: 1 (1= site made up of >95% native vegetation, 2= >50% native, 3= > 50% exotic vegetation, 4= > 95% exotic)

Dominant Plant Species: Salix spp., Platanus racemosa, Typha latifolia

Dominant Exotic Plants: none

Surrounding land use: Residential, Visitor center, Lagoon

Site disturbance/ threats: Development, exotics

Additional comments on habitat: Quality flycatcher habitat, Recently removed Arundo donax so there are foraging areas.

## SURVEY METHODS (if applicable, report how frequently taped vocalizations were used)

Protocol willow flycatcher

## SURVEY COORDINATES

### Survey Starting Location

UTM: 3652750 , 474250

Decimal Degree: \_\_\_\_\_ , \_\_\_\_\_

Degree Decimal-Minutes: \_\_\_\_\_ , \_\_\_\_\_

Degrees Minutes Seconds: \_\_\_\_\_ , \_\_\_\_\_

Datum: NAD27

Coordinate Source: USGS 1:24000

### Survey End Location

3652500 , 474500 Zone: 11

## SURVEY RESULTS

### Animal Related Data

Breeding  
confirmed?

BHCOs  
detected?

### Plant Phenology

<u>Survey Date</u>	<u>#Adults</u>	<u>#Males</u>	<u>#Females</u>	<u>#Juveniles</u>	<u>#Unknown Age</u>	<u>#Territories</u>	<u>Breeding confirmed?</u>	<u>BHCOs detected?</u>	<u>%Vegetative</u>	<u>%Flowering</u>	<u>%Fruiting</u>
5/24/2005	0	0	0	0	0	0	N	Y	0	0	0

Start time: 6:15

Surveyor(s): Ingri Quon

End time: 8:30

Comments:

6/7/2005

1

0

0

0

0

0

0

N

Y

0

0

0

Start time: 5:35

Surveyor(s): Richard Erickson

End time: 7:35

Comments: Willow flycatcher in willows along Lagoon edge about 750 feet SE of San Elijo Visitor Center. No respond/call.

6/24/2005

0

0

0

0

0

0

0

N

Y

0

0

0

Start time: 5:40

Surveyor(s): Ingri Quon

End time: 7:15

Comments:

**Summary #'s:** 1 0 0 0 0 0 0 N Total # of hours spent surveying: 9.5

Was cowbird trapping conducted at the sites?: ☐ N If yes, provide the length of time the site was trapped (i.e. dates), # of birds caught, etc.

## ADDITIONAL COMMENTS (provide recommendations for recovery of the species and other pertinent observations)

Aerial photo in report to CDFG & USFWS.

\* Be sure to attach a topographic map with the survey area, survey routes, and species locations delineated.

\* Also, attach the contact information of all individuals conducting surveys.

\* Prior to submitting form(s), review your permit to ensure that all data reporting requirements have been met.

Thursday, August 11, 2005

Report generated by: USGS Biological Reporting Database v1.1

Page 1 of 2

# US Fish and Wildlife Service 45-Day Survey Report

**Scientific Name:** Empidonax traillii

**Common Name:** Willow Flycatcher

**Survey Site Name:** San Elijo Visitor Center

**Year:** 2005

**Reporting Individual:** Ingri Quon

**Permit #:** 812740

**Affiliation:** LSA Associates

**Phone:** (949) 553-0666 x

**Email:** ingri.quon@lsa-assoc.com

## HABITAT

Overall site quality: Good

Vegetation Composition: 1 (1= site made up of >95% native vegetation, 2= >50% native, 3= > 50% exotic vegetation, 4= > 95% exotic)

Dominant Plant Species: Salix spp., Platanus racemosa, Typha latifolia

Dominant Exotic Plants: none

Surrounding land use: Residential, Visitor center, Lagoon

Site disturbance/ threats: Development, exotics

Additional comments on habitat: Quality flycatcher habitat, Recently removed Arundo donax so there are foraging areas.

## SURVEY METHODS (if applicable, report how frequently taped vocalizations were used)

Protocol willow flycatcher

## SURVEY COORDINATES

### Survey Starting Location

### Survey End Location

UTM: 3652750 , 474250

3652500 , 474500 Zone: 11

Decimal Degree: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Degree Decimal-Minutes: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Degrees Minutes Seconds: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Datum: NAD27

Coordinate Source: USGS 1:24000

County: San Diego

## SURVEY RESULTS

### Animal Related Data

#### Breeding

#### BHCOs

### Plant Phenology

<u>Survey Date</u>	<u>#Adults</u>	<u>#Males</u>	<u>#Females</u>	<u>#Juveniles</u>	<u>#Unknown Age</u>	<u>#Territories</u>	<u>Breeding confirmed?</u>	<u>BHCOs detected?</u>	<u>%Vegetative</u>	<u>%Flowering</u>	<u>%Fruiting</u>
7/6/2005	0	0	0	0	0	0	N	Y	0	0	0

Start time: 7:00 Surveyor(s): Ingri Quon

End time: 8:30 Comments:

7/16/2005	0	0	0	0	0	0	N	Y	0	0	0
-----------	---	---	---	---	---	---	---	---	---	---	---

Start time: 5:25 Surveyor(s): Richard Erickson

End time: 7:40 Comments:

**Summary #'s:** 1 0 0 0 0 0 0 N Total # of hours spent surveying: 9.5

Was cowbird trapping conducted at the sites?: ☐ N If yes, provide the length of time the site was trapped (i.e. dates), # of birds caught, etc.

## ADDITIONAL COMMENTS (provide recommendations for recovery of the species and other pertinent observations)

Aerial photo in report to CDFG & USFWS.

\* Be sure to attach a topographic map with the survey area, survey routes, and species locations delineated.

\* Also, attach the contact information of all individuals conducting surveys.

\* Prior to submitting form(s), review your permit to ensure that all data reporting requirements have been met.

Thursday, August 11, 2005

Report generated by: USGS Biological Reporting Database v1.1

Page 2 of 2

# US Fish and Wildlife Service 45-Day Survey Report

**Scientific Name:** Poliioptila californica

**Common Name:** California Gnatcatcher

**Survey Site Name:** San Elijo Visitor Center

**Year:** 2005

**Reporting Individual:** Ingri Quon

**Permit #:** 812740

**Affiliation:** LSA Associates

**Phone:** (949) 553-0666 x

**Email:** ingri.quon@lsa-assoc.com

## HABITAT

Overall site quality: Fair

Vegetation Composition: 2 (1= site made up of >95% native vegetation, 2= >50% native, 3= > 50% exotic vegetation, 4= > 95% exotic)

Dominant Plant Species: Encelia calif, Baccharis pilularis, Eriogonum fasciculatum, Artemisia californica, Rhus integrifolia

Dominant Exotic Plants: Grasses

Surrounding land use: Residential, Visitor Center, Lagoon

Site disturbance/ threats: Development, exotic plants and animals

Additional comments on habitat: Visitor Center planned for remodel. Small area of CSS around San Elijo Visitor Center (north side of lagoon) with sparse encelia, buckwheat, and coastal sagebrush with dense coyote bush with scattered mulefat. Known CAGN population on south side of San Elijo Lagoon.

## SURVEY METHODS (if applicable, report how frequently taped vocalizations were used)

Protocol CA gnatcatcher

## SURVEY COORDINATES

### Survey Starting Location

### Survey End Location

UTM: 3652750 , 474250

3652500 , 474500 Zone: 11

Decimal Degree: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Degree Decimal-Minutes: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Degrees Minutes Seconds: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Datum: NAD27 Coordinate Source: USGS 1:24000

County: San Diego

## SURVEY RESULTS

### Animal Related Data

Breeding confirmed? BHCOs detected?

### Plant Phenology

Survey Date	#Adults	#Males	#Females	#Juveniles	#Unknown Age	#Territories	Breeding confirmed?	BHCOs detected?	%Vegetative	%Flowering	%Fruiting
5/2/2005	0	0	0	0	0	0	N	Y	0	0	0

Start time: 8:00 Surveyor(s): Ingri Quon

End time: 10:00 Comments: 1 BHCO

5/12/2005	2	1	1	1	0	1	Y	N	0	0	0
-----------	---	---	---	---	---	---	---	---	---	---	---

Start time: 7:50 Surveyor(s): Marshall Iliff

End time: 9:30 Comments: Foraging adjacent Visitor Center

5/24/2005	1	1	0	3	0	1	Y	Y	0	0	0
-----------	---	---	---	---	---	---	---	---	---	---	---

Start time: 6:15 Surveyor(s): Ingri Quon

End time: 8:30 Comments: 3 BHCO. Gnatcatcher family foraging adjacent Visitor Center. Secretive.

**Summary #'s:** 2 1 1 3 0 1 Y Total # of hours spent surveying: 15.5

Was cowbird trapping conducted at the sites?: ☐ N If yes, provide the length of time the site was trapped (i.e. dates), # of birds caught, etc.

## ADDITIONAL COMMENTS (provide recommendations for recovery of the species and other pertinent observations)

Aerial photo in report to CDFG & USFWS.

\* Be sure to attach a topographic map with the survey area, survey routes, and species locations delineated.

\* Also, attach the contact information of all individuals conducting surveys.

\* Prior to submitting form(s), review your permit to ensure that all data reporting requirements have been met.

Thursday, August 11, 2005

Report generated by: USGS Biological Reporting Database v1.1

Page 1 of 3

# US Fish and Wildlife Service 45-Day Survey Report

**Scientific Name:** Poliioptila californica

**Common Name:** California Gnatcatcher

**Survey Site Name:** San Elijo Visitor Center

**Year:** 2005

**Reporting Individual:** Ingri Quon

**Permit #:** 812740

**Affiliation:** LSA Associates

**Phone:** (949) 553-0666 x

**Email:** ingri.quon@lsa-assoc.com

## HABITAT

Overall site quality: Fair

Vegetation Composition: 2 (1= site made up of >95% native vegetation, 2= >50% native, 3= > 50% exotic vegetation, 4= > 95% exotic)

Dominant Plant Species: Encelia calif, Baccharis pilularis, Eriogonum fasciculatum, Artemisia californica, Rhus integrifolia

Dominant Exotic Plants: Grasses

Surrounding land use: Residential, Visitor Center, Lagoon

Site disturbance/ threats: Development, exotic plants and animals

Additional comments on habitat: Visitor Center planned for remodel. Small area of CSS around San Elijo Visitor Center (north side of lagoon) with sparse encelia, buckwheat, and coastal sagebrush with dense coyote bush with scattered mulefat. Known CAGN population on south side of San Elijo Lagoon.

## SURVEY METHODS (if applicable, report how frequently taped vocalizations were used)

Protocol CA gnatcatcher

## SURVEY COORDINATES

### Survey Starting Location

### Survey End Location

UTM: 3652750 , 474250

3652500 , 474500 Zone: 11

Decimal Degree: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Degree Decimal-Minutes: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Degrees Minutes Seconds: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Datum: NAD27 Coordinate Source: USGS 1:24000

County: San Diego

## SURVEY RESULTS

### Animal Related Data

### Breeding

### BHCOs

### Plant Phenology

Survey Date	#Adults	#Males	#Females	#Juveniles	#Unknown Age	#Territories	Breeding confirmed?	BHCOs detected?	%Vegetative	%Flowering	%Fruiting
-------------	---------	--------	----------	------------	--------------	--------------	---------------------	-----------------	-------------	------------	-----------

6/7/2005	0	0	0	3	0	1	Y	Y	0	0	0
----------	---	---	---	---	---	---	---	---	---	---	---

Start time: 5:35 Surveyor(s): Richard Erickson

End time: 7:35 Comments: 2 BHCO. Willow flycatcher - no song, non-responsive in willows adjacent San Elijo Lagoon SE of Visitor Center about 750 feet.

6/24/2005	2	1	1	1	0	1	Y	Y	0	0	0
-----------	---	---	---	---	---	---	---	---	---	---	---

Start time: 5:40 Surveyor(s): Ingri Quon

End time: 7:15 Comments: 2 BHCO. Gnatcatcher family west and east of Visitor Center.

7/6/2005	0	0	0	0	0	0	Y	Y	0	0	0
----------	---	---	---	---	---	---	---	---	---	---	---

Start time: 7:00 Surveyor(s): Ingri Quon

End time: 8:30 Comments: 3 BHCO. Not detected, maybe out of survey area.

**Summary #'s:** 2 1 1 3 0 1 Y Total # of hours spent surveying: 15.5

Was cowbird trapping conducted at the sites?: ☐ N If yes, provide the length of time the site was trapped (i.e. dates), # of birds caught, etc.

## ADDITIONAL COMMENTS (provide recommendations for recovery of the species and other pertinent observations)

Aerial photo in report to CDFG & USFWS.

\* Be sure to attach a topographic map with the survey area, survey routes, and species locations delineated.

\* Also, attach the contact information of all individuals conducting surveys.

\* Prior to submitting form(s), review your permit to ensure that all data reporting requirements have been met.

Thursday, August 11, 2005

Report generated by: USGS Biological Reporting Database v1.1

Page 2 of 3

# US Fish and Wildlife Service 45-Day Survey Report

**Scientific Name:** Poliioptila californica

**Common Name:** California Gnatcatcher

**Survey Site Name:** San Elijo Visitor Center

**Year:** 2005

**Reporting Individual:** Ingri Quon

**Permit #:** 812740

**Affiliation:** LSA Associates

**Phone:** (949) 553-0666 x

**Email:** ingri.quon@lsa-assoc.com

## HABITAT

Overall site quality: Fair

Vegetation Composition: 2 (1= site made up of >95% native vegetation, 2= >50% native, 3= > 50% exotic vegetation, 4= > 95% exotic)

Dominant Plant Species: Encelia calif, Baccharis pilularis, Eriogonum fasciculatum, Artemisia californica, Rhus integrifolia

Dominant Exotic Plants: Grasses

Surrounding land use: Residential, Visitor Center, Lagoon

Site disturbance/ threats: Development, exotic plants and animals

Additional comments on habitat: Visitor Center planned for remodel. Small area of CSS around San Elijo Visitor Center (north side of lagoon) with sparse encelia, buckwheat, and coastal sagebrush with dense coyote bush with scattered mulefat. Known CAGN population on south side of San Elijo Lagoon.

## SURVEY METHODS (if applicable, report how frequently taped vocalizations were used)

Protocol CA gnatcatcher

## SURVEY COORDINATES

### Survey Starting Location

### Survey End Location

UTM: 3652750 , 474250

3652500 , 474500 Zone: 11

Decimal Degree: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Degree Decimal-Minutes: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Degrees Minutes Seconds: \_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

Datum: NAD27 Coordinate Source: USGS 1:24000

County: San Diego

## SURVEY RESULTS

### Animal Related Data

Breeding  
confirmed?

BHCOs  
detected?

### Plant Phenology

<u>Survey Date</u>	<u>#Adults</u>	<u>#Males</u>	<u>#Females</u>	<u>#Juveniles</u>	<u>#Unknown Age</u>	<u>#Territories</u>	<u>Breeding confirmed?</u>	<u>BHCOs detected?</u>	<u>%Vegetative</u>	<u>%Flowering</u>	<u>%Fruiting</u>
<u>7/16/2005</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>Y</u>	<u>Y</u>	<u>0</u>	<u>0</u>	<u>0</u>

Start time: 5:25 Surveyor(s): Richard Erickson

End time: 7:40 Comments: 2 BHCO.

<u>7/27/2005</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>Y</u>	<u>Y</u>	<u>0</u>	<u>0</u>	<u>0</u>
------------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Start time: 9:00 Surveyor(s): Marshall Iliff

End time: 11:00 Comments: Undetermined if adults. Two birds heard in dense brush, not seen despite effort.

**Summary #'s:** 2 1 1 3 0 1 Y Total # of hours spent surveying: 15.5

Was cowbird trapping conducted at the sites?: ☐ N If yes, provide the length of time the site was trapped (i.e. dates), # of birds caught, etc.

## ADDITIONAL COMMENTS (provide recommendations for recovery of the species and other pertinent observations)

Aerial photo in report to CDFG & USFWS.

\* Be sure to attach a topographic map with the survey area, survey routes, and species locations delineated.

\* Also, attach the contact information of all individuals conducting surveys.

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Thursday, August 11, 2005

Report generated by: USGS Biological Reporting Database v1.1

Page 3 of 3

## **APPENDIX D**

### **CALIFORNIA NATIVE SPECIES FIELD SURVEY FORM**

# California Native Species Field Survey Summary Form

Mail to:  
Natural Diversity Database  
California Department of Fish and Game  
1807 13th Street, Suite 202  
Sacramento, CA 95814

For Office Use Only  
Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Fieldwork: May 24-July 16, 2005

Number of Surveys Conducted: 5

Scientific Name: Empidonax traillii

Common Name: Willow Flycatcher

Species Found? (Y/N): Y

Is this an existing NDDDB occurrence? (Y/N): (Occ. #)

Were specimen(s) collected? (Y/N): N

Collection #: \_\_\_\_\_

Museum / Herbarium: \_\_\_\_\_

Reporter: Ingri Quon

Address: 20 Executive Park, Suite 200

Irvine CA 92614-5987

Email: [ingri.quon@lsa-assoc.com](mailto:ingri.quon@lsa-assoc.com)

Phone: (949) 553-0666 x

## Plant Information

Phenology: 0 0 0  
% Vegetative % Flowering % Fruiting

## Animal Information

Age Structure: 1 0 0  
# Adults # Juveniles # Unknown  
breeding/nesting: N wintering: N burrow site: N rookery: N

## Location (please also attach or draw map on back)

Site Name: San Elijo Visitor Center

County: San Diego Landowner/Manager: County of San Diego

Quad Name: Encinitas Elevation: 3 Township: 13s Range: 4w Section: 27 Quarter section:

UTM Zone: 11 Datum: NAD27 Point Accuracy: 0 (m) Source: USGS 1:24000 (GPS, map type, etc.)

UTM Coordinates: 3652750 N 474250 E Degrees, decimal minutes: N W

Decimal degree: N W Degrees, minutes, seconds: N W

## Habitat Description

Dominant Plant Species: Salix spp., Platanus racemosa, Typha latifolia

Dominant Exotic Plants: none

Canopy Height (m): 6 Surface water or saturated soil present at site? (N/Y): Y

## Site Information

Overall site quality: Good

Surrounding land use: Residential, Visitor center, Lagoon

Site disturbance/ threats: Development, exotics

Comments: Aerial photo in report to CDFG & USFWS.

## Determination

State what criteria were used to identify the species:

Visual

## Photographs

Are you attaching photographs of species, habitat, diagnostic feature(s), etc.? (Y/N): Y

(If yes, please describe in Comments section)



# California Native Species Field Survey Summary Form

Mail to:  
Natural Diversity Database  
California Department of Fish and Game  
1807 13th Street, Suite 202  
Sacramento, CA 95814

For Office Use Only  
Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Fieldwork: May 2-July 27, 2005

Number of Surveys Conducted: 8

Scientific Name: *Poliophtila californica*

Common Name: California Gnatcatcher

Species Found? (Y/N): Y

Is this an existing NDDDB occurrence? (Y/N): (Occ. #)

Were specimen(s) collected? (Y/N): N

Collection #:

Museum / Herbarium:

Reporter: Ingri Quon

Address: 20 Executive Park, Suite 200

Irvine CA 92614-5987

Email: [ingri.quon@isa-assoc.com](mailto:ingri.quon@isa-assoc.com)

Phone: (949) 553-0666 x

## Plant Information

Phenology: 0 0 0  
% Vegetative % Flowering % Fruiting

## Animal Information

Age Structure: 2 3 0  
# Adults # Juveniles # Unknown  
breeding/nesting: Y wintering: Y burrow site: N rookery: N

## Location (please also attach or draw map on back)

Site Name: San Elijo Visitor Center

County: San Diego Landowner/Manager: County of San Diego

Quad Name: Encinitas Elevation: 3 Township: 13s Range: 4w Section: 27 Quarter section:

UTM Zone: 11 Datum: nad27 Point Accuracy: 0 (m) Source: USGS 1:24000 (GPS, map type, etc.)

UTM Coordinates: 3652750 N 474250 E Degrees, decimal minutes: N W

Decimal degree: N W Degrees, minutes, seconds: N W

## Habitat Description

Dominant Plant Species: *Encelia calif.*, *Baccharis pilularis*, *Eriogonum fasciculatum*, *Artemisia californica*, *Rhus integrifolia*

Dominant Exotic Plants: Grasses

Canopy Height (m): 1 Surface water or saturated soil present at site? (N/Y): Y

## Site Information

Overall site quality: Fair

Surrounding land use: Residential, Visitor Center, Lagoon

Site disturbance/ threats: Development, exotic plants and animals

Comments: Aerial photo in report to CDFG & USFWS.

## Determination

State what criteria were used to identify the species:  
aural, visual

## Photographs

Are you attaching photographs of species, habitat, diagnostic feature(s), etc.? (Y/N): Y  
(If yes, please describe in Comments section)

# California Native Species Field Survey Form

Mail to:

Natural Diversity Database  
California Department of Fish and Game  
1807 13<sup>th</sup> Street, Suite 202  
Sacramento, CA 95814

For Office Use Only

Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Field Work: 5 - 2 - 2005  
8 visits to 7 27 2005

Scientific Name: Vireo bellii pusillus  
Common Name: Least Bell's Vireo

Species Found? ☒ yes ☐ no If not, why? \_\_\_\_\_  
Total No. Individuals 0 Subsequent Visit? ☒ yes ☐ no  
Is this an existing NDDDB occurrence? ☒ yes, Occ. # 1 ☐ no ☐ unk.  
Collection? If yes: \_\_\_\_\_  
Number \_\_\_\_\_ Museum / Herbarium \_\_\_\_\_

Reporter: LSA Associates, Inc.  
Ingrit Quon Baroni  
Address: 20 Executive Park #200  
Irvine, CA 92614  
E-mail Address: ingrit.baroni@lsa-assoc.com  
Phone: (949) 553-0666

## Plant Information

Phenology: \_\_\_\_\_  
% vegetative \_\_\_\_\_ % flowering \_\_\_\_\_ % fruiting \_\_\_\_\_

## Animal Information

Age Structure: ☒ # adults ☐ # juveniles ☐ # unknown  
☐ breeding ☐ wintering ☐ burrow site ☐ rookery ☐ nesting ☐ other

Location (please also attach or draw map on back)

County: San Diego Landowner / Mgr.: County of San Diego  
Quad Name: J Encinitas Elevation: 10ft  
T 13S R 4W 1/4 of \_\_\_\_\_ 1/4 of Section 27 T \_\_\_\_\_ R \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_  
UTM: Zone: 11 (10, 11) Datum: NAD 27 (NAD83, NAD27, WG584, other)  
Source: USGS (GPS, map & type, etc.) Point Accuracy: \_\_\_\_\_ Meters  
UTM Coordinates 36 52 750 by 4 74 250 in NW // 36 52 500 by 4 74 500

Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope)  
Southern willow riparian forest, Southern willow scrub, coastal freshwater marsh,  
Diegan coastal sage scrub  
Willow flycatcher,  
Other rare species? CA gnatcatcher, Nuttall's wood pecker, Yellow breasted chat, yellow warbler

Site Information Overall site quality: ☐ Excellent ☐ Good ☒ Fair ☐ Poor  
Current / surrounding land use: San Elijo Lagoon, Residential, Train, San Elijo Visitor Center  
Visible disturbances / possible threats: Exotics, feral animals, pollution  
Comments: Dirt trails and Visitor center managed by the Co. of San Diego.  
\* Proposed San Elijo Lagoon Visitor Center Remodel / Improvements / Expansion.

Determination: (check one or more, and fill in blanks)

Keyed (cite reference): \_\_\_\_\_  
Compared with specimen housed at: \_\_\_\_\_  
Compared with photo / drawing in: \_\_\_\_\_  
☒ By another person (name): Marshall Hiff, Richard Erickson  
Other: \_\_\_\_\_

Photographs: (check one or more) Slide Print  
Plant / animal \_\_\_\_\_ ☒  
Habitat \_\_\_\_\_ ☒  
Diagnostic feature \_\_\_\_\_ ☒  
May we obtain duplicates at our expense? ☒ yes ☐ no

# California Native Species Field Survey Form

Mail to:  
Natural Diversity Database  
California Department of Fish and Game  
1807 13<sup>th</sup> Street, Suite 202  
Sacramento, CA 95814

For Office Use Only

Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Field Work: 5 - 2 - 2005  
8 visits to 7 27 2005  
month day year

Scientific Name: Icteria virens

Common Name: Yellow-breasted chat 2 Singing males

Species Found? ☒ yes ☐ no If not, why? \_\_\_\_\_  
Total No. Individuals 2-4 Subsequent Visit? ☒ yes ☐ no  
Is this an existing NDDDB occurrence? ☒ no ☐ unk.  
Yes, Occ. # \_\_\_\_\_  
Collection? If yes: \_\_\_\_\_  
Number \_\_\_\_\_ Museum / Herbarium \_\_\_\_\_

Reporter: LSA Associates, Inc.  
Ingrì Quon Baroni  
Address: 20 Executive Park #200  
Irvine, CA 92614  
E-mail Address: ingri.baroni@lsa-assoc.com  
Phone: (949) 553-0666

## Plant Information

Phenology: \_\_\_\_\_  
% vegetative \_\_\_\_\_ % flowering \_\_\_\_\_ % fruiting \_\_\_\_\_

## Animal Information

Age Structure: 2-4  
# adults ☒ # juveniles ☐ # unknown ☐  
☒ breeding ☐ wintering ☐ burrow site ☐ rookery ☐ nesting ☐ other

Location (please also attach or draw map on back)

County: San Diego Landowner / Mgr.: County of San Diego  
Quad Name: Encinitas Elevation: 10 ft  
T 13S R 4W 1/4 of \_\_\_\_\_ 1/4 of Section 27 T \_\_\_\_\_ R \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_  
UTM: Zone: 11 (10, 11) Datum: NAD 27 (NAD83, NAD27, WG584, other)  
Source: USGS (GPS, map & type, etc.) Point Accuracy: \_\_\_\_\_ Meters  
UTM Coordinates 36 52 750 by 474 250 in NW // 36 52 500 by 474 500

Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope)  
Southern willow riparian forest, Southern willow scrub, coastal freshwater marsh,  
Diegan coastal sage scrub

Other rare species? CA gnatcatcher, Nuttall's wood pecker, Yellow breasted chat, yellow warbler

Site Information Overall site quality: ☐ Excellent ☐ Good ☐ Fair ☐ Poor

Current / surrounding land use: San Elijo Lagoon, Residential, Train  
Visible disturbances / possible threats: Exotics, feral animals, pollution, San Elijo Visitor Center  
Comments: Dirt trails and visitor center managed by the Co. of San Diego.  
\* Proposed San Elijo Lagoon Visitor Center Remodel / Improvements / Expansion.

Determination: (check one or more, and fill in blanks)

Keyed (cite reference): \_\_\_\_\_  
Compared with specimen housed at: \_\_\_\_\_  
Compared with photo / drawing in: \_\_\_\_\_  
☒ By another person (name): Marshall Hiff, Richard Erickson  
Other: \_\_\_\_\_

Photographs: (check one or more) Slide Print  
Plant / animal \_\_\_\_\_ ☒  
Habitat \_\_\_\_\_ ☐  
Diagnostic feature \_\_\_\_\_ ☐  
May we obtain duplicates at our expense? ☒ yes ☐ no

# California Native Species Field Survey Form

Mail to:  
Natural Diversity Database  
California Department of Fish and Game  
1807 13<sup>th</sup> Street, Suite 202  
Sacramento, CA 95814

For Office Use Only

Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Field Work: 5 - 2 - 2005  
8 visits to 7 27 2005  
month day year

Scientific Name: Dendroica petechia 3 on 12 May 1 on 7 June  
Common Name: Yellow Warbler 1 on 27 July

Species Found? ☒ yes ☐ no If not, why? \_\_\_\_\_  
Total No. Individuals \_\_\_\_\_ Subsequent Visit? ☒ yes ☐ no  
Is this an existing NDDDB occurrence? ☒ no ☐ unk.  
Yes, Occ. # \_\_\_\_\_  
Collection? If yes: \_\_\_\_\_  
Number \_\_\_\_\_ Museum / Herbarium \_\_\_\_\_

Reporter: LSA Associates, Inc.  
Ingr. Quon Baroni  
Address: 20 Executive Park #200  
Irvine, CA 92614  
E-mail Address: ingri.baroni@lsa-assoc.com  
Phone: (949) 553-0666

## Plant Information

Phenology: \_\_\_\_\_  
% vegetative \_\_\_\_\_ % flowering \_\_\_\_\_ % fruiting \_\_\_\_\_

## Animal Information

Age Structure: 3  
# adults ☒ # juveniles ☐ # unknown ☒  
breeding ☒ wintering ☐ burrow site ☐ rookery ☒ nesting ☐ other ☐

Location (please also attach or draw map on back)

County: San Diego Landowner / Mgr.: County of San Diego  
Quad Name: Encinitas Elevation: 10 ft  
T 13S R 4W 1/4 of \_\_\_\_\_ 1/4 of Section 27 T \_\_\_\_\_ R \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_  
UTM: Zone: 11 (10, 11) Datum: NAD 27 (NAD83, NAD27, WG584, other)  
Source: USGS (GPS, map & type, etc.) Point Accuracy: \_\_\_\_\_ Meters  
UTM Coordinates 3652750 by 474250 in NW // 3652500 by 474500

Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope)  
Southern willow riparian forest, Southern willow scrub, coastal freshwater marsh,  
Diegan coastal sage scrub

Other rare species? CA gnatcatcher, Nuttall's wood pecker, Yellow breasted chat, yellow warbler

Site Information Overall site quality: ☐ Excellent ☐ Good ☐ Fair ☐ Poor  
Current / surrounding land use: San Elijo Lagoon, Residential, Train, San Elijo Visitor Center  
Visible disturbances / possible threats: Exotics, feral animals, pollution  
Comments: Dirt trails and Visitor center managed by the Co. of San Diego.  
\* Proposed San Elijo Lagoon Visitor Center Remodel / Improvements / Expansion.

Determination: (check one or more, and fill in blanks)

Keyed (cite reference): \_\_\_\_\_  
Compared with specimen housed at: \_\_\_\_\_  
Compared with photo / drawing in: \_\_\_\_\_  
☒ By another person (name): Marshall Hiff, Richard Erickson  
Other: \_\_\_\_\_

Photographs: (check one or more) Slide Print  
Plant / animal \_\_\_\_\_ ☒  
Habitat \_\_\_\_\_ ☒  
Diagnostic feature \_\_\_\_\_ ☒  
May we obtain duplicates at our expense? ☒ yes ☐ no